

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0004	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Sacramento Maintenance Yard Maintenance Area 0004	M *	3.47						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Encroachments	0.01		0.01	0.29%	0.29	0.02		
Animal Control	0.01	0.01	0.05	1.44%				
Slope Stability	0.04		0.04	1.15%				
Erosion / Bank Caving	0.02		0.02	0.58%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
<i>LMA Totals:</i>	0.08	0.01	0.12	3.45% *	0.34	0.02	0.00	0.00

Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
MA0004	M *	3.47						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Encroachments	0.01		0.01	0.29%	0.29	0.02		
Animal Control	0.01	0.01	0.05	1.44%				
Slope Stability	0.04		0.04	1.15%				
Erosion / Bank Caving	0.02		0.02	0.58%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
<i>Unit Totals:</i>	0.08	0.01	0.12	3.45% *	0.34	0.02	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Maintenance Area 0004

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M *	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

* Overall LMA Threshold Percent is less than
10.00%; however, U Rated Miles are present,
so the Overall LMA Rating is M instead of A.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Maintenance Area 0004

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	3.47
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M *	
Date of Inspection	4/1/2016 - 4/1/2016		10/26/2016 - 10/26/2016	
DWR Inspector	Jai Lor		Oleg Yakimov	
Accompanied By				

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0004_01_s_2013_9				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has copies of their O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0004_01_s_2013_10				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0004_01_s_2013_11				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a written flood response plan and flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	0.00	Rating **	M	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.596823 °	38.596823 °
				-121.547608 °	-121.547608 °
DWR ID	DWR_MA0004_01_s_2016_16				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0004_298_16_20160913_00009.jpg



View of the slope stability on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.06	Rating **	M	Issue No.	6
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.596649 °	38.596649 °
				-121.546575 °	-121.546575 °
DWR ID	DWR_MA0004_01_f_2016_6				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0004_298_6_20161027_00031.jpg



Garbage on landside slope. Fall 2016.

LM Start	0.22	Rating **	C	Issue No.	28
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.597035 °	38.597035 °
				-121.543620 °	-121.543620 °
DWR ID	DWR_MA0004_01_s_2016_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	0.24	Rating **	U	Issue No.	2
LM End	0.24	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.597193°	38.597193°
				-121.543421°	-121.543421°
DWR ID	DWR_MA0004_01_s_2012_2				
Comment Code					
FE : Fence					
Inspector Comment					
This is the USACE yard and the chain link fence crosses the levee. The fence runs the length of the yard on the crown.					

Photo 1 of 1 : FA_2016_MA0004_298_2_20160913_00001.jpg



View of the fence blocking access on the crown of the levee looking downstream. Fall 2015.

LM Start	0.41	Rating **	U	Issue No.	15
LM End	0.41	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.598661 °	38.598661 °
				-121.540895 °	-121.540895 °
DWR ID	DWR_MA0004_01_f_2016_15				
Comment Code					
FE : Fence					
Inspector Comment					
Chain link fence crosses the levee. USACE facility.					

Photo 1 of 1 : FA_2016_MA0004_298_15_20161027_00032.jpg



View of fence crossing the crown on NE side of USACE facility. Fall 2016.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	1.34	Rating **	A/W	Issue No.	7
LM End	1.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.602761 °	38.600449 °
				-121.525566 °	-121.514459 °
DWR ID	DWR_MA0004_01_s _ 2012_7				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The Rivers housing development					

Photo 1 of 1 : FA_2016_MA0004_298_7_20160913_00002.jpg



View of the landscaping on the landward side of the levee looking downstream. Fall 2015.

LM Start	1.36	Rating **	A/W	Issue No.	8
LM End	1.51	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.602770 °	38.602591 °
				-121.525275 °	-121.522382 °
DWR ID	DWR_MA0004_01_s _ 2012_8				
Comment Code					
BU : Building					
Inspector Comment					
The Rivers housing development houses on crown of levee waterside					

Photo 1 of 1 : FA_2016_MA0004_298_8_20160913_00003.jpg



View of the houses on the crown of the levee looking downstream. Fall 2015.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Sacramento Maintenance Yard Maintenance Area 0004

Runoff erosion that causes slope instability. Fall 2016.

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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.12	Rating **	M	Issue No.	18
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.598613 °	38.598613 °
				-121.513012 °	-121.513012 °
DWR ID	DWR_MA0004_01_f_2015_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

LM Start	2.12	Rating **	M	Issue No.	18 (cont)
LM End	2.12	Issue Type +	Ma	Location *	WS

View of the animal holes on the waterward side of the levee looking downstream. Fall 2015.

10/25/2016

Updated view of animal holes on WS slope. Fall 2016.

LM Start	2.18	Rating **	M	Issue No.	13
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.597932 °	38.597932 °
				-121.512887 °	-121.512887 °
DWR ID	DWR_MA0004_01_s_2015_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Runoff erosion is on the shoulder of the landward side. Spring 2016.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov


Photo 2 of 2 : FA_2016_MA0004_298_13_20160913_00007.jpg



A perspective view of a dirt road or levee showing significant erosion. The road surface is cracked and uneven, with a large, deep, irregular hole in the foreground. To the right of the road is a grassy area and a residential house with a brown roof and white walls. A black fence runs along the property line. A white car is partially visible on the left side of the road. The date '04/01/2016' is printed in orange in the bottom right corner of the image.


Perspective view of the runoff erosion on the landward side of the levee looking upstream. Spring 2016.

Photo 1 of 1 : FA_2016_MA0004_298_19_20161027_00035.jpg



Landside slope erosion near the crown and toward levee toe. Fall 2016.

Photo 1 of 1 : FA_2016_MA0004_298_20_20161027_00036.jpg



Large diameter animal burrows on LS slope. Fall 2016.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.65	Rating **	M	Issue No.	22
LM End	2.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.591380 °	38.591380 °
				-121.511345 °	-121.511345 °
DWR ID	DWR_MA0004_01_f_2015_22				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0004_298_22_20160913_00011.jpg



View of the depression on the landward side of the levee due to foot traffic looking upstream. Fall 2015.

LM Start	2.67	Rating **	M	Issue No.	21
LM End	2.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.591228 °	38.591080 °
				-121.511130 °	-121.510994 °
DWR ID	DWR_MA0004_01_f_2016_21				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0004_298_21_20161027_00037.jpg



View of small trees that block visibility of LS slope. Fall 2016.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.69	Rating **	M	Issue No.	39
LM End	2.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590910 °	38.590910 °
				-121.510830 °	-121.510830 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41443 DS_ID:19405 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Found during the field survey, not listed in the desk study. FIELD_STRUCT_DESC: A 6-inch sewer line from the public facility of boat launching area. No other details available. FS Date: 9/12/2012					

Photo 1 of 2 : UCIP_FA_2016_41443_9371.jpg



Landside view- manhole on the side of the levee and a road.

LM Start	2.69	Rating **	M	Issue No.	39 (cont)
LM End	2.69	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_41443_9370.jpg



Waterside view- public facility in the background.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.77	Rating **	M	Issue No.	36
LM End	2.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590140 °	38.590140 °
				-121.509750 °	-121.509750 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41485 DS_ID:19406 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Found during field survey. Not listed in the desk study. FIELD_STRUCT_DESC: 1 of 2. A 3-inch wrapped GI water pipe(of 3-inch and 5-inch water pipe) daylight in a metal cage box. A valve box for the pipe is also found. FS Date: 9/12/2012					

Photo 1 of 2 : UCIP_FA_2016_41485_9367.jpg



Landside overview

LM Start	2.77	Rating **	M	Issue No.	36 (cont)
LM End	2.77	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_41485_9366.jpg



Waterside view- pipe daylight in a metal cage.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.82	Rating **	M	Issue No.	35
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.589800 °	38.589800 °
				-121.508996 °	-121.508996 °
DWR ID	DWR_MA0004_01_s_2016_35				
Comment Code					
PO : Pole					
Inspector Comment					

LM Start	2.82	Rating **	M	Issue No.	35 (cont)
LM End	2.82	Issue Type +	En	Location *	LS

Photo 1 of 2 : FA_2016_MA0004_298_35_20160913_00019.jpg



Bollards are blocking the access gate on the levee ramp. Spring 2016.

Photo 2 of 2 : FA_2016_MA0004_298_35_20160913_00020.jpg



Perspective view of the bollards at the levee toe looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.82	Rating **	M	Issue No.	37
LM End	2.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590130 °	38.590130 °
				-121.508740 °	-121.508740 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41486 DS_ID:19407 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Found during field survey, not listed in the desk study. FIELD_STRUCT_DESC: 2 of 2. A 5-inch wrapped GI water pipe(of 3-inch and 5-inch water pipe) daylight in a metal cage box. A valve box for the pipe is also found. FS Date: 9/12/2012					

Photo 1 of 2 : UCIP_FA_2016_41486_9369.jpg



Waterside view- pipe daylight in a cage.

LM Start	2.82	Rating **	M	Issue No.	37 (cont)
LM End	2.82	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_41486_9368.jpg



Waterside view- manhole/control valve.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.86	Rating **	M	Issue No.	34
LM End	2.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.589518 °	38.589518 °
				-121.508412 °	-121.508412 °
DWR ID	DWR_MA0004_01_s_2016_34				
Comment Code					
PO : Pole					
Inspector Comment					
Bollard is blocking access to the levee.					

LM Start	2.86	Rating **	M	Issue No.	34 (cont)
LM End	2.86	Issue Type +	En	Location *	LS

Photo 1 of 3 : FA_2016_MA0004_298_34_20160913_00016.jpg



The City of West Sacramento has put bollards and blocked access to the gates. Spring 2016.

Photo 2 of 3 : FA_2016_MA0004_298_34_20160913_00017.jpg



Perspective view of the bollards looking downstream. Spring 2016.

LM Start	2.86	Rating **	M	Issue No.	34 (cont)
LM End	2.86	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2016_MA0004_298_34_20160913_00018.jpg



Perspective view of the bollards on the landward side looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.91	Rating **	M	Issue No.	24
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.588937 °	38.588937 °
				-121.507920 °	-121.507920 °
DWR ID	DWR_MA0004_01_f_2015_24				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0004_298_24_20160913_00012.jpg



View of the slope stability due to foot traffic on the waterward side of the levee looking downstream. Fall 2015.

LM Start	2.92	Rating **	M	Issue No.	23
LM End	2.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.588762 °	38.588384 °
				-121.507951 °	-121.507894 °
DWR ID	DWR_MA0004_01_f_2016_23				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0004_298_23_20161027_00038.jpg



View of fence on LS slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	2.93	Rating **	M	Issue No.	38
LM End	2.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.588688 °	38.588688 °
				-121.507910 °	-121.507910 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41557 DS_ID:18883 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned 7-inch pipe found. Needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 4. An abandoned 7-inch pipe of one 3-inch, two 7-inch and one 10-inch pipes through the levee 18.6 feet below the crown. Unable to locate. Pipes exposed and extend 10 feet from bank. O&M Manual Sac 116, August 1955, Revision Year 2011. FS Date: 9/12/2012					

LM Start	2.93	Rating **	M	Issue No.	38 (cont)
LM End	2.93	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_41557_9767.jpg



Land side view- Water tower area.

Photo 2 of 2 : UCIP_FA_2016_41557_9770.jpg



Land side view- abandoned pipes inside the tower area

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	3.08	Rating **	A/W	Issue No.	12
LM End	3.45	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.586434 °	38.581349 °
				-121.508090 °	-121.509547 °
DWR ID	DWR_MA0004_01_s_2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					
West Sacramento's River walk runs from Tower Bridge to the I Street bridge.					

LM Start	3.08	Rating **	A/W	Issue No.	12 (cont)
LM End	3.45	Issue Type +	En	Location *	WS

Photo 1 of 2 : FA_2016_MA0004_298_12_20160913_00004.jpg



The Riverwalk is part of the landscape on the levee. Fall 2015.

Photo 2 of 2 : FA_2016_MA0004_298_12_20160913_00005.jpg



Landscaping and buildings are on the crown and waterward side of the levee. Fall 2015.

LM Start	3.24	Rating **	M	Issue No.	27
LM End	3.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.584168 °	38.583435 °
				-121.508632 °	-121.508785 °
DWR ID	DWR_MA0004_01_f_2015_27				
Comment Code					
FE : Fence					
Inspector Comment					
There is a fence at the shoulder of the levee crown. There seems to be no work being done inside of the fence as of 9/17/2015.					

Photo 1 of 2 : FA_2016_MA0004_298_27_20160913_00013.jpg



View of the fence on the crown of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/26/2016 10/26/2016	Oleg Yakimov

LM Start	3.24	Rating **	M	Issue No.	27 (cont)	
LM End	3.29	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.584168 °	38.583435 °	
				-121.508632 °	-121.508785 °	
DWR ID	DWR_MA0004_01_f_2015_27					
Comment Code						
FE : Fence						
Inspector Comment						
There is a fence at the shoulder of the levee crown. There seems to be no work being done inside of the fence as of 9/17/2015.						

Photo 2 of 2 : FA_2016_MA0004_298_27_20160913_00014.jpg



View of the inside of the fence looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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